



A-690.ST25.txt
SEQUENCE LISTING

<110> KOHNO, TADAHIKO

<120> APO-AI/AII PEPTIDE DERIVATIVES

<130> A-690

<140> 09/840,669

<141> 2001-04-23

<150> 60/198,920

<151> 2000-04-21

<160> 11

<170> PatentIn version 3.1

<210> 1

<211> 684

<212> DNA

<213> Homo sapiens

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<221> CDS

<222> (1)..(684)

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Met Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu	
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ggg gga ccg tca gtc ttc ctc ttc ccc cca aaa ccc aag gac acc ctc	96
Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu	
20 25 30	

atg atc tcc cgg acc cct gag gtc aca tgc gtg gtg gtg gac gtg agc	144
Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser	
35 40 45	

cac gaa gac cct gag gtc aag ttc aac tgg tac gtg gac ggc gtg gag	192
His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu	
50 55 60	

gtg cat aat gcc aag aca aag ccg cgg gag gag cag tac aac agc acg	240
Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr	
65 70 75 80	

tac cgt gtg gtc agc gtc ctc acc gtc ctg cac cag gac tgg ctg aat	288
Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn	
85 90 95	

ggc aag gag tac aag tgc aag gtc tcc aac aaa gcc ctc cca gcc ccc	336
Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro	
100 105 110	

atc gag aaa acc atc tcc aaa gcc aaa ggg cag ccc cga gaa cca cag	384
Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln	
115 120 125	

gtg tac acc ctg ccc cca tcc cgg gat gag ctg acc aag aac cag gtc	432
Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val	
130 135 140	

agc ctg acc tgc ctg gtc aaa ggc ttc tat ccc agc gac atc gcc gtg	480
Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val	

A-690.ST25.txt

145		150		155		160	
gag tgg gag agc aat ggg cag ccg gag aac aac tac aag acc acg cct							528
Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro							
	165			170		175	
ccc gtg ctg gac tcc gac ggc tcc ttc ttc ctc tac agc aag ctc acc							576
Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr				185		190	
	180						
gtg gac aag agc agg tgg cag cag ggg aac gtc ttc tca tgc tcc gtg							624
Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val				200		205	
	195						
atg cat gag gct ctg cac aac cac tac acg cag aag agc ctc tcc ctg							672
Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu				215		220	
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tct ccg ggt aaa							684
Ser Pro Gly Lys							
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 <213> Homo sapiens

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Met Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu																
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Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu																
			20					25					30			
Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser																
		35					40					45				
His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu																
	50					55					60					
Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr																
65					70				75						80	
Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn																
				85				90						95		
Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro																
			100					105						110		
Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln																
		115					120					125				
Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val																
	130					135					140					
Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val																
145					150				155						160	

Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro
165 170 175

Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr
180 185 190

Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val
195 200 205

Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu
210 215 220

Ser Pro Gly Lys
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<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Preferred linker

<400> 3

Gly Gly Gly Lys Gly Gly Gly Gly
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<210> 4
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<212> PRT
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<220>
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<400> 5

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<210> 6
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<212> PRT
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<210> 7
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<400> 7

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
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Ala Phe

<210> 8
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 <223> Preferred embodiments

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 <223> Fc domain attached at Position 18 through an optional linker

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Ala Phe

<210> 9
 <211> 18
 <212> PRT
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<220>
 <223> Preferred embodiments

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 <221> misc_feature
 <222> (1)..(1)
 <223> Fc domain attached through optional linker

<400> 9

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
 1 5 10 15

Ala Phe

<210> 10
 <211> 18
 <212> PRT
 <213> Artificial Sequence
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 <223> Preferred embodiments
 <220>
 <221> misc_feature
 <222> (19)..(19)
 <223> Attached by optional linker to identical sequence, which is attached by optional linker to an Fc domain

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Asp	Trp	Leu	Lys	Ala	Phe	Tyr	Asp	Lys	Val	Ala	Glu	Lys	Leu	Lys	Glu
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Ala Phe

<210> 11
 <211> 18
 <212> PRT
 <213> Artificial Sequence
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 <223> Preferred embodiments
 <220>
 <221> misc_feature
 <222> (1)..(1)
 <223> Attached by optional linker to Fc domain at the N-terminus.

<220>
 <221> misc_feature
 <222> (18)..(18)
 <223> Attached by optional linker to an identical sequence

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Asp	Trp	Leu	Lys	Ala	Phe	Tyr	Asp	Lys	Val	Ala	Glu	Lys	Leu	Lys	Glu
1				5					10					15	

Ala Phe